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SECTION A.—PHYSICS.

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ERRATA.

Section A.—PHYSICS.

Abstract No. 181, line 1: *for* New, *read* Near.
Abstract No. 463, line 2; *for* H. Hildebrand, *read* J. H. Hildebrand.
Abstract No. 493, line 2; *for* M. Laue, *read* M. v. Laue.
Abstract No. 732, line 6; *for* Gaus, *read* Gans.
Abstract No. 1237, line 1; *for* Photolytes, *read* Photolysis.
Abstract No. 1393, line 2; *for* Circ., *read* Bull.
Abstract No. 1620, line 1; *for* Evolution, *read* Evaluation.
Abstract No. 1851, line 4; *for* 193 (1930), *read* 195 (1930).
Abstract No. 1898, line 1; *for* Radium. D. E. Schweidler, *read* Radium D. E. Schweidler.
Abstract No. 1991, line 2; *for* 349–378, *read* 849–878.
Abstract No. 2050, line 4; *for* 1260 (1930), *read* 1261 (1930).
Abstract No. 2106, line 2; *for* Gambarzeff, *read* Gamburzeff.
Abstract No. 2265, line 2; *for* Block, *read* Bloch.
Abstract No. 2451, line 1; *for* 65, *read* 55.
Abstract No. 2484, line 2; *for* Matakuma, *read* Matukuma.
Abstract No. 2541, line 1; *for* Na, *read* La.
Abstract No. 2628, line 2; *for* Margenaw, *read* Margenau.
Abstract No. 2684, line 2; *for* F. M. Jeffery, *read* F. H. Jeffery.
Abstract No. 2888, lines 2 and 3; for 398–520, *read* 598–620.
Abstract No. 2989, line 1; *for* Phiocyanates, *read* Thiocyanates.
Abstract No. 3465, line 1; *for* X-Rays, *read* α-Rays.

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LIST OF JOURNALS AND THEIR ABBREVIATIONS

An asterisk (*) indicates that the Journals so marked are received only occasionally.

Abbreviation.	Full Title and Address.
Acad. Polonaise Sci. et Lettres, Bull.	Bulletin International de l'Académie des Sciences et des Lettres. Gebethner et Wolff, Rynek Gl., Cracovie, Poland.
Accad. Lincei, Atti	Atti della Reale Accademia Nazionale dei Lincei. Dott. Giovanni Bardi, Piazza Madama 19–20, Rome (III), Italy.
Accad. Sci. Torino, Atti	Atti della Reale Accademia delle Scienze di Torino. Libreria Fratelli Bocca, Via Carlo Alberto 3, Turin, Italy.
A.C.E.C.	Ateliers de Constructions Électriques de Charleroi. Route de Philippeville, Charleroi, Belgium.
A.E.G. Mitt.	A.E.G. Mitteilungen. Das Literarische Büro der AEG, Friedrich-Karl-Ufer 2/4, Berlin, N.W.40; A.E.G. Electric Company, Ltd., 131, Victoria Street, London, S.W.1.
Akad. Wiss. Wien, Ber.	Sitzungsberichte der Akademie der Wissenschaften in Wien. Mathematisch-naturwissenschaftliche Klasse. Universitätsplatz, 2, Vienna, I.
Am. Acad., Proc.	Proceedings of the American Academy of Arts and Sciences. 28, Newbury Street, Boston, Mass., U.S.A.
Am. Chem. Soc., J.	Journal of the American Chemical Society. Charles L. Parsons, Mills Building, Washington, D.C., U.S.A.
Am. Electrochem. Soc., Trans.	Transactions of the American Electrochemical Society. Columbia University, New York, U.S.A.
*Am. Geophys. Union, Trans.	Transactions of the American Geophysical Union, National Research Council, B and 21st Streets, Washington, D.C., U.S.A.
Am. Illum. Eng. Soc., Trans.	Transactions of the American Illuminating Engineering Society. Baltimore, Maryland, U.S.A.
A.I.E.E., J. (now Electrical Engineering)	Journal of the American Institute of Electrical Engineers. 33, West 39th Street, New York, U.S.A.
Am. J. Sci.	American Journal of Science. New Haven, Connecticut, U.S.A. ....
Am. Phil. Soc., Proc.	Proceedings of the American Philosophical Society. 104, South Fifth Street, Philadelphia, Pa., U.S.A.
Ann. d. Physik.	Annalen der Physik. J. A. Barth, Salomonstrasse 18B, Leipzig, Germany.
Ann. de Physique	Annales de Physique. Masson et Cie, Libraries de l'Academie de Médecine, 120, Boulevard St. Germain, Paris (VIe).
Annales des P.T.T.	Annales des Postes, Télégraphes et Téléphones. Librairie de l'Enseignement Technique, 3, Rue Thénard, Paris (5e).
Ann. Soc. Sci. de Bruxelles.....	Annales de la Société Scientifique de Bruxelles. 2, Rue de Manège, Louvain, Belgium.
Arch. des Sciences	Archives des Sciences Physiques et Naturelles. Institut de Physique de l'Université, Geneva, Switzerland.
Arch. f. Elektrot.	Archiv für Elektrotechnik. J. Springer, Linkstrasse 23–24, Berlin, W.9.
Arkiv f. Mat., Astron., och Fysik, Stockholm	Arkiv för Matematik, Astronomi, och Fysik. Almqvist & Wiksells Boktryckeri-A.-B., Stockholm; Wheldon & Wesley, Ltd., 2, 3 and 4, Arthur Street, London, W.C.2.

Abbreviation.	Full Title and Address.
Arkiv. f. Kem. Min. och Geologie, Stockholm	Arkiv för Kemi, Mineralogi och Geologie. Almqvist & Wiksells Boktryckeri-A.-B., Stockholm, Sweden.
A.S.E.A., J.	ASEA Journal. Allmanna Svenska Elektriska A.B., Westeras, Sweden.
Assoc. Ing. El. Liége, Bull.	Bulletin de l'Association des Ingénieurs Electricians sortis de l'Institut Électrotechnique Montefiore, 31, Rue-Gilles, Liége, Belgium.
Assoc. Suisse Élect. Bull.	Association Suisse Électriciens Bulletin. Secretariat General de l'A.S.E. et de l'U.C.S., Seefeldstrasse 301, Zürich 8, Switzerland.
Astron. J.	The Astronomical Journal. Dudley Observatory, Albany, New York, U.S.A.
Astrophys. J.	The Astrophysical Journal. The University of Chicago Press, Chicago, Illinois, U.S.A.
Bell System Techn. J.	Bell System Technical Journal. American Telephone & Telegraph Co., 195, Broadway, New York, U.S.A.
Brit. J. of Radiology	British Journal of Radiology. William Heinemann (Medical Books) Ltd., 99, Great Russell Street, London, W.C. 1.
Brown Boveri Rev.	The Brown Boveri Review. British Brown Boveri, Ltd., 56, Victoria Street, London, S.W.1.
Bull. Astronomique	Bulletin Astronomique. Gauthier-Villars et Cie, 55, Quai des Grands-Augustins, Paris.
Bull. géodesique	Bulletin géodesique. Organe de la Section de Géodésie de l'Union Géodésique et Géophysique Internationale. G. Perrier, 78, Rue d'Anjou, Paris (8e).
Bull. Oerlikon	Bulletin Oerlikon. Oerlikon, Ltd., Victoria House, Southampton Row, London, W.C.1.
Bureau of Mines, Techn. Papers and Bull.	Publications of the Bureau of Mines. U.S. Department of Commerce, Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A.
Bureau of Standards, Circ. and Misc. Publ.	Publications of the Bureau of Standards. Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A.
Bureau of Standards, J. of Research	Bureau of Standards. Journal of Research. Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A.
Calcutta Math. Soc., Bull.	Bulletin of the Calcutta Mathematical Society. H. P. Banerjee, M.Sc., 53/1 Shambazar Street, Calcutta, India.
Cambridge Phil. Soc., Proc.	Proceedings of the Cambridge Philosophical Society. Cambridge University Press, Fetter Lane, London, E.C.4.
Cambridge Phil. Soc., Trans.	Transactions of the Cambridge Philosophical Society. Cambridge University Press, Fetter Lane, London, E.C.4.
Canad. J. of Research	Canadian Journal of Research. National Research Council of Canada, Ottawa, Canada.
Chem. and Met. Eng.	Chemical and Metallurgical Engineering. McGraw Hill Publishing Co., Inc., Tenth Avenue at 36th Street, New York, U.S.A.
Chem. Soc., J.	Journal of the Chemical Society. The Chemical Society, Burlington House, Piccadilly, London, W.1.
Chem. Soc. Japan, Bull.	Bulletin of the Chemical Society of Japan. Faculty of Science, Imperial University of Tokyo, Japan.
Colliery Guardian	The Colliery Guardian. 30 and 31, Furnival Street, Holborn, London, E.C.4.

Abbreviations.	Full Title and Address.
Comptes Rendus	Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences. Gauthier-Villars et Cie, Quai des Grands-Augustins 55, Paris (6e).
*Cornell Univ. Eng. Experiment Sta., Bull.	Bulletin of the Engineering Experiment Station, College of Engineering, Cornell University, Ithaca, New York, U.S.A.
Dept. Sci. and Indust. Research, Publ.	Publications of the Department of Scientific and Industrial Research. 16, Old Queen Street, London, S.W.1.
Dominion Astrophys. Obs. Victoria, Publ.	Publications of the Dominion Astrophysical Observatory, Victoria. Victoria, B.C., Canada.
*Dominion Observat., Ottawa, Publ.	Publications of the Dominion Observatory, Ottawa. Department of the Interior, Ottawa, Canada.
El. Rev.	The Electrical Review. 4, Ludgate Hill, London, E.C.4.
El. Rly. Bus and Tram J.	The Electric Railway Bus and Tram Journal. 37 and 38, Strand, London, W.C.2.
El. Times	The Electrical Times. Sardinia House, Kingsway, London, W.C.2.
El. World	Electrical World. McGraw Hill Publishing Co., Inc., Tenth Avenue at 36th Street, New York, U.S.A.
Elect. Communication	Electrical Communication. International Standard Electrical Corporation, 67, Broad Street, New York, U.S.A.; and Connaught House, Aldwych, London, W.C.2.
Elect. Engineering (formerly A.I.E.E. J.)	Electrical Engineering, 33, West 39th Street, New York, U.S.A.
Elect. J.	The Electric Journal. The Westinghouse Club, Keenan Building, Pittsburg, Pa., U.S.A.
Elect. News and Engineering	Electrical News and Engineering. Hugh C. MacLean Publications, Ltd., 347, Adelaide Street West, Toronto 2, Canada.
Electrician.	The Electrician. Bouverie House, 154, Fleet Street, London, E.C.4.
Electrot. Laborat. Tokyo, Japan, Circ.	Circulars of the Electrotechnical Laboratory, Tokyo, Japan. Electrotechnical Laboratory, Ministry of Communications, Tokyo, Japan.
Electrot. Laborat. Tokyo, Japan, Researches	Researches of the Electrotechnical Laboratory, Tokyo, Japan. Electrotechnical Laboratory, Ministry of Communications, Tokyo, Japan.
Elek. Betrieb.	REA Der Elektrische Betrieb. Georg Siemens, Kurfürstenstrasse 8, Berlin, W.57.
E.N.T.	Elektrische Nachrichten-Technik. J.Springer, Linkstrasse 23–24, Berlin, W.9.
Elek. im Bergbau	Elektrizität im Bergbau. R. Oldenbourg, Glückstrasse 8, Munich, Germany.
E. u. M.	Elektrotechnik u. Maschinenbau. Theobaldgasse 12, Wien 6, Austria.
E.T.Z.	Elektrotechnische Zeitschrift. J. Springer, Linkstrasse 23–24, Berlin, W.9.
Elettrotecnica	L'Elettrotecnica. Giornale ed Atti dell' Associazione Elettrotecnica Italiana. Via Annunciata 4, Milan (102), Italy.
Engineer	The Engineer. 28, Essex Street, Strand, London, W.C.2.
Engineering	Engineering. 35 and 36, Bedford Street, Strand, London, W.C.2.
Experimental Wireless	Experimental Wireless and the Wireless Engineer. Messrs. Iliffe & Sons, Ltd., Dorset House, Tudor Street, London, E.C.4.
Faculty of Sci., Tokyo, J.	Journal of the Faculty of Science, Tokyo. The Imperial University of Tokyo, Japan.

Abbreviations.	Full Title and Address.
Faraday Soc., Trans.	Transactions of the Faraday Society. Gurney & Jackson, 33, Paternoster Row, London.
Frank. Inst., J.	Journal of the Franklin Institute. The Franklin Institute of the State of Pennsylvania, Philadelphia, Pa., U.S.A.
Gen. El. Rev.	General Electric Review. The General Electric Co., Schenectady, New York, U.S.A.
Geofysiske Publ.	Geofysiske Publikasjoner. Direktor Th. Hesselberg, Det Norske Meteorologiske Institutt, Oslo, Norway.
Geolog. Mag.	The Geological Magazine. Dulau & Co., Ltd., 32, Old Bond Street, London, W.1.
Geophys. News and Rev. Geophys. Literature	The Geophysical News and Review of Geophysical Literature. Colorado School of Mines, Golden, Colorado, U.S.A.
Gerlands Beitr. z. Geophys.	Gerlands Beiträge zur Geophysik. Akademische Verlagsgesellschaft m.b.H., Schlossgasse 9, Leipzig, Germany.
Gerlands Beitr. z. Geophys., Angew. Geophys'	Gerlands Beiträge zur Geophysik. Ergänzungshefte für angewandte Geophysik. Akademische Verlagsgesellschaft m.b.H., Schlossgasse 9, Leipzig, Germany.
*Harvard Coll. Obs., Ann.	Annals of the Harvard College Observatory. The Observatory, Cambridge, Mass., U.S.A.
Harvard Coll. Obs., Bull.	Bulletin of the Harvard College Observatory. The Observatory, Cambridge, Mass., U.S.A.
Harvard Coll. Obs., Circ	Circular of the Harvard College Observatory. The Observatory, Cambridge, Mass., U.S.A.
Helv. Phys. Acta	Helvetica Physica Acta. E. Birkhaeuser et Cie, Bâle, Switzerland.
Hokkaido Imp. Univ., Eng. Mem	Memoirs of the Faculty of Engineering. Hokkaido Imperial University, Sapporo, Japan.
Illum. Eng., London	The Illuminating Engineer. The Journal of of Good Lighting. 32, Victoria Street, London, S.W.1.
Imp. Acad. Tokyo, Proc.	Proceedings of the Imperial Academy of Tokyo. Ueno Park, Tokyo, Japan.
Imp. Marine Obs., Kobe, Japan, Mem.	Memoirs of the Imperial Marine Observatory, Kobe, Japan.
Indian Journ. Phys.	Indian Journal of Physics and Proceedings of the Indian Association for the Cultivation of Science. 210, Bow-Bazar Street, Calcutta, India.
*India Meteorolog. Dept., Mem.	Memoirs of the India Meteorological Department. Government of India, Central Publication Branch, Calcutta, India.
India Meteorolog. Dept., Sci. Notes.	Scientific Notes of the India Meteorological Department, Government of India, Central Publication Branch, Calcutta, India.
Indust. and Engin. Chem.	Industrial and Engineering Chemistry. The American Chemical Society. Charles L. Parsons, Secretary, Mills Building, Washington, D.C., U.S.A.
Indust. and Engin. Chem. (Analytical Edition)	Industrial and Engineering Chemistry. Analytical Edition). The American Chemical Society, Charles L. Parsons, Secretary, Mills Building, Washington, D.C., U.S.A.
Ingegnere	L'Ingegnere. Rivista Tecnica Sindacato Nazionale Fascista Ingegneri, Via Vivaio 17, Milan (113), Italy.
Inst. Civ. Eng., Proc.	Proceedings of the Institution of Civil Engineers. Great George Street, Westminster, London, S.W.1.
I.E.E., Japan, J.	Journal of the Institution of Electrical Engineers of Japan, Denki-Gakkwai, No. 3, 1-Chome, Yûraku-chô, Kôjimachi-ku, Tokyo, Japan.

Abbreviations.	Full Title and Address.
I.E.E., J.	Journal of the Institution of Electrical Engineers. Savoy Place, Victoria Embankment, London, W.C.2.
I.E.E., Students' J.	Students' Quarterly Journal. The Institution of Electrical Engineers, Savoy Place, Victoria Embankment, London, W.C.2.
Inst. Eng. and Shipbuilders, Trans.	Transactions of the Institution of Engineers and Shipbuilders in Scotland. Elmbank Crescent, Glasgow, Scotland.
Inst. Eng. Australia, J.	Journal of the Institution of Engineers, Australia, Macleay House, 16, College Street, Sydney, New South Wales, Australia.
Inst. Mech. Eng., Proc.	The Proceedings of the Institution of Mechanical Engineers. Storey's Gate, St. James's Park, London, S.W.I.
Inst. Naval Architects, Trans.	Transactions of the Institute of Naval Architects. 5, Adelphi Terrace, London, W.C.2.
Inst. of Metals, J.	Journal of the Institute of Metals. 36, Victoria Street, London, S.W.1.
Inst. Phys. and Chem. Research, Tokyo, Sci. Papers	Scientific Papers of the Institute of Physical and Chemical Research. Iwanami Shoten, 16, Minamijimbocho, Kanda-ku, Tokyo, Japan.
Inst. Post Office El. Eng., Papers	The Institution of Post Office Electrical Engineers, Selected Papers. General Post Office, Alder House, London, E.C.1.
I.R.E., Proc.	Proceedings of the Institute of Radio Engineers. 450–454, Ahnaip Street, Menasha, Wis., U.S.A.
Iron and Steel Inst., J.	Journal of the Iron and Steel Institute. 28, Victoria Street, London, S.W.1.
Japanese Journ. Chem.	Japanese Journal of Chemistry. The Secretary, National Research Council, Imperial Academy House, Ueno Park, Tokyo, Japan.
Japanese Journ. Math.	Japanese Journal of Mathematics. The Secretary, National Research Council, Imperial Academy House, Ueno Park, Tokyo, Japan.
J. de Physique et le Radium	Journal de Physique et le Radium. 12, Place de Laborde, Paris (VIII^{e}).
J. Inst. F.	Journal of the Institute of Fuel. 53, Victoria Street, London, S.W.1.
J. Math. Phys., Mass. Inst. of Technology	Journal of Mathematics and Physics, Massachusetts Institute of Technology, Cambridge, Mass., U.S.A.
J.O.S.A.	Journal of the Optical Society of America. George Banta Publishing Company, 450, Ahnaip Street, Menasha, Wis., U.S.A.
J. Phys. Chem.	Journal of Physical Chemistry. 654, Madison Avenue, New York, U.S.A.
J. Text. Inst.	Journal of the Textile Institute, 16, St. Mary's Parsonage, Manchester, England.
Journ. Sci. Instruments	Journal of Scientific Instruments. The Cambridge University Press, Fetter Lane, London, E.C.4.
Journ. Télégraph.	Journal Télégraphique. Bureau International de l'Union Télégraphique, Berne, Switzerland.
Junior Inst. Eng., J.	Journal of the Junior Institution of Engineers. 39, Victoria Street, Westminster, London, S.W.1.
Kolloid Zeits.	Kolloid Zeitschrift. Theodor Steinkopff, Dresden-Blasewitz, Residenzstrasse 32, Germany.

Abbreviations.	Full Title and Address.
K. Akad. Amsterdam, Proc.	Proceedings of the Koninklijke Akademie van Wetenschappen te Amsterdam. Amsterdam, Holland.
Kyoto Coll. Eng., Mem.	Memoirs of the Kyoto Imperial University College of Engineering. Maruzen Co., Ltd., Tokyo, Japan.
Kyoto Coll. Sci., Mem.	Memoirs of the College of Science, Kyoto Imperial University. Maruzen Co., Ltd., Tokyo, Japan.
Kyushu Univ. Coll. Eng., Mem.	Memoirs of the College of Engineering, Kyushu Imperial University, Fukuoka, Japan.
Leeds Philosoph. and Lit. Soc., Proc.	Proceedings of the Leeds Philosophical and Literary Society. The University, Leeds, England.
Manchester Phil. Soc., Mem.	Memoirs and Proceedings of the Manchester Literary and Philosophical Society. 36, George Street, Manchester, England.
Mechanical Engineering	Mechanical Engineering. The American Society of Mechanical Engineers, 20th and Northampton Streets, Easton, Pa., U.S.A.
Meteorolog. Office, Prof. Notes and Geophys. Mem.	Professional Notes and Geophysical Memoirs of the Meteorological Office. H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2.
M.V. Gazette	Metropolitan-Vickers Gazette. Metropolitan-Vickers Electrical Col., Ltd., Trafford Park, Manchester, England.
Min. Mag.	The Mineralogical Magazine. Humphrey Milford, Oxford University Press, Amen House, Warwick Square, London, E.C.4.
M.E.E.	Mining Electrical Engineer. Cromwell Buildings, Blackfriars Street, Manchester, England.
Monthly Weather Rev.	Monthly Weather Review. Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A.
Nat. Acad. Sci., Proc.	Proceedings of the National Academy of Sciences. The Home Secretary, B and 21st Streets, Washington, D.C., U.S.A.
Nature	Nature. MacMillan & Co., Ltd., St. Martin's Street, London, W.C.2.
N. Cimento	Il Nuovo Cimento. N. Zanichelli, Società Italiana di Fisica, Bologna, Italy.
Observatory	Observatory. Taylor & Francis, Red Lion Court, Fleet Street, London, E.C.4.
Onde Élec.	L'Onde Électrique. Société des Amis de la T.S.F., 40, Rue de Seine, Paris.
Optical Soc., Trans.	Transactions of the Optical Society. 1, Lowther Gardens, Exhibition Road, South Kensington, London, S.W.7.
Phil. Mag.	The London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science. Taylor & Francis, Red Lion Court, Fleet Street, London, E.C.4.
Phot. J.	The Photographic Journal. The Secretary, 35, Russell Square, London, W.C.1.
Phot. Indust.	Photographische Industrie. Verlag der Union Deutsche Verlagsgesellschaft Zweigniederlassung, Krausenstrasse 35/36, Berlin, S.W.19.
Phys. Rev.	The Physical Review. 450–454, Ahnaip Street, Menasha, Wis., U.S.A.
Phys. Soc., Proc.	Proceedings of the Physical Society of London. 1, Lowther Gardens, Exhibition Road, London, S.W.7.
Phys. Math. Soc. Japan, Proc.	Proceedings of the Physico-Mathematical Society of Japan. Faculty of Science, Tokyo Imperial University, Tokyo, Japan.

Abbreviation.	Full Title and Address.
Phys. Zeits.	Physikalische Zeitschrift. S. Hirzel, Königstrasse 2, Leipzig, C.1, Germany.
Pont. Accad. Sci., N. Lincei, Atti	Atti della Pontificia Accademia della Scienze-I Nuovi Lincei. Casina Pio IV. Cittá del Vaticano, Italy.
Pont. Accad. Sci., N. Lincei, Mem.	Memoria della Pontificia Accademia della Scienze-I Nuovi Lincei. Casina Pio IV. Cittá del Vaticano, Italy.
P.O.E.E.J.	The Post Office Electrical Engineers' Journal. Electrical Review, Ltd., 4, Ludgate Hill, London, E.C.4.
Power	Power. McGraw-Hill Publishing Co., Inc., Tenth Ave. at 36th St., New York, U.S.A.
Preuss. Akad. Wiss. Berlin, Ber.	Sitzungsberichte der Preussischen Akademie der Wissenschaften zu Berlin. 38, Unter den Linden, Berlin.
Q.S.T. Français	Radioeléctricité et Q.S.T. Français. 53, Rue Réaumur, Paris (2e).
Rev. de Mét.	Revue de Métallurgie. 5, Cité Pigalle, Paris (IX).
Rev. d'Optique	Revue d'Optique Théorique et Instrumentale. Imprimerie Berger-Levrault, 18 Rue des Glacis, Nancy, France.
R.G.E.	Revue Générale de l'Électricité. 12, Place de Laborde, Paris (VIIIe).
Rev. Sci. Instruments	Review of Scientific Instruments. The Optical Society of America, 450–454, Ahnaip Street, Menasha, Wis., U.S.A.
Roy. Astron. Soc. Canada, J.	Journal of the Royal Astronomical Society of Canada. 198, College Street, Toronto, Canada.
Roy. Astron. Soc., Geophys. Supplement, Mem. and M.N.	Geophysical Supplement, Memoirs and Monthly Notices of the Royal Astronomical Society. Burlington House, London, W.1.
Roy. Dublin Soc., Proc.	The Scientific Proceedings of the Royal Dublin Society. Ballsbridge, Dublin, Ireland.
Roy. Inst., Proc.	Proceedings of the Royal Institution of Great Britain. 21, Albemarle Street, London, W.1.
Roy. Irish Acad., Proc.	Proceedings of the Royal Irish Academy. Hodges, Figgis & Co., Dublin, Ireland.
Roy. Meteorolog. Soc., J.	Quarterly Journal of the Royal Meteorological Society. Edward Stanford, Ltd., 12, 13 & 14, Long Acre, London, W.C.2.
Roy. Meteorolog. Soc., Mem.	Memoirs of the Royal Meteorological Society. Edward Stanford, Ltd., 12, 13 & 14, Long Acre, London, W.C.2.
Roy. Soc. Arts., J.	Journal of the Royal Society of Arts. G. Bell & Sons, Ltd., York House, Portugal Street, London, W.C.2.
Roy. Soc. Canada, Trans.	Transactions of the Royal Society of Canada. Ottawa, Canada.
Roy. Soc. Edinburgh, Proc.	Proceedings of the Royal Society of Edinburgh. Robert Grant & Son, 126, Princes Street, Edinburgh, Scotland. Williams & Norgate, 38, Gt. Ormond Street, London, W.C.1.
Roy. Soc. Edinburgh, Trans.	Transactions of the Royal Society of Edinburgh. Robert Grant & Son, 126, Princes Street, Edinburgh, Scotland. Williams & Norgate, 38, Gt. Ormond Street, London, W.C.1.
Roy. Soc., Phil. Trans.	Philosophical Transactions of the Royal Society of London. Harrison & Sons, Ltd., 44–47, St. Martin's Lane, London, W.C.2.
Roy. Soc., Proc.	Proceedings of the Royal Society of London. Harrison & Sons, Ltd., 44–47, St. Martin's Lane, London, W.C.2.

Abbreviation.	Full Title and Address.
Roy. Soc. Victoria, Proc.	Proceedings of the Royal Society of Victoria. Ford & Son, Drummond Street, Carlton, Melbourne, Australia.
Roy. Techn. Coll. Glasgow, J.	Journal of the Royal Technical College, Glasgow. Robert Andersen, 142, West Nile Street, Glasgow, C.1, Scotland.
Ryojun Coll. Eng., Mem.	Memoirs of the Ryojun College of Engineering. The Chairman of the Publication Committee. Ryojun College of Engineering, Port Arthur, South Manchuria.
Science	Science. Official Organ of the American Association for the Advancement of Science. The Science Press, Grand Central Terminal, New York, U.S.A.
Shirley Inst. Mem.	Shirley Institute Memoirs, Shirley Institute, Didsbury, Manchester, England.
Siemens Zeits.	Siemens Zeitschrift. Siemens-Schuckertwerke Aktiengesellschaft, Verwaltungsgebäude, Berlin-Siemenstadt, Germany.
Soc. Belge Élect., Bull.	Bulletin de la Société Belge des Électriciens. 8, Rue Sabatier, Marcinelle, Belgium.
Soc. Chem. Indust., Japan, J.	Journal of the Society of Chemical Industry, Japan, c/o Department of Applied Chemistry, Faculty of Engineering, Tokyo Imperial University, Japan.
Soc. Franç. Élect., Bull.	Bulletin de la Société Française des Électriciens. 12 and 14, Rue de Staël, Paris.
Soc. Franç. Phot. et Ciné., Bull.	Bulletin de la Société Française de Photographie et Cinématographie. Rue de Clichy 51, Paris.
*Solar Phys. Obs., Cambridge, Ann.	Annals of the Solar Physics Observatory, Cambridge. The Cambridge University Press, Fetter Lane, London, E.C.4.
S. African I.E.E., Trans.	Transactions of the South African Institute of Electrical Engineers. Kelvin House, 100, Fox Street, Johannesburg, S. Africa.
T.F.T.	Telegraphen - und - Fernsprech - Technik. R. Dietze, Regensburgerstrasse 12A, Berlin, W.50.
Terr. Mag.	Terrestrial Magnetism and Atmospheric Electricity. The Caxton Press, 420, Plum Street, Cincinnati, Ohio, U.S.A.
Tijds. Nederland Radiogenootschap	Tijdschrift van het Nederlandsch Radiogenootschap, 11A, Elzentlaan, Eindhoven, Holland.
Tokyo B.D., Sci. Reports, Sec. A.	Science Reports of the Tokyo Bunrika Daigaku, Section A. Chemical Laboratory, Tokyo Bunrika Daigaku, Koishikawa, Tokyo. Maruzen Co., Ltd., 6. Torinichome, Nihombashi-ku, Tokyo, Japan.
Tohoku Math. J.	The Tohoku Mathematical Journal. Tohoku Imperial University, Sendai, Japan.
Tohoku Univ., Sci. or Technol. Reports	Scientific or Technology Reports of the Tohoku Imperial University. Maruzen Co., Ltd., Sendai, Japan.
Tokyo Soc. Mech. Eng., J.	Journal of the Society of Mechanical Engineers, Tokyo (Foreign Edition). 347, Marunouti - Building, Kozimati - ku, Tokyo, Japan.
Tokyo Univ. Aeronaut. Research Inst., Report	Report of the Aeronautical Research Institute, Tokyo Imperial University, Komaba, Tokyo, Japan.
Tokyo Univ. Earthquake Research Inst., Bull.	Bulletin of the Earthquake Research Institute, Tokyo Imperial University, Tokyo, Japan.
Union Obs. S. Africa, Circ.	Circular of the Union Observatory of South Africa.

Abbreviation.	Full Title and Address.
Univ. Nac. La Plata, Estudio Ciencias	Universidad Nacionale de La Plata. Contribucion al Estudio de las Ciencias. La Plata, Argentine.
*Univ. Durham Phil. Soc., Proc. ..	Proceedings of the University of Durham Philosophical Society. E. Patterson, Asst. Librarian, Armstrong College, Newcastle-upon-Tyne, England.
Univ. of Illinois Eng. Exp. Sta., Bull.	Bulletin of the University of Illinois Engineering Experiment Station. University of Illinois, Urbana, Illinois, U.S.A.
*Univ. Pittsburgh, Bull.	Bulletin of the University of Pittsburgh, Pittsburgh, U.S.A.
*Uppsala Univ. Årsskrift	Uppsala Universitets Årsskrift. Uppsala, Sweden.
V.D.I.	Zeitschrift des Vereines Deutscher Ingenieure. V.D.I.-Verlag, G.m.b.H., Dorotheenstrasse 40, Berlin, N.W.7.
Washington Acad. Sci., J.	Journal of the Washington Academy of Sciences. Mt. Royal and Guilford Aves., Baltimore, Maryland, U.S.A.
Wireless World and Radio Rev. ...	Wireless World and Radio Review. Dorset House, Tudor Street, London, E.C.4.
World Power	World Power. 62, Lincoln's Inn Fields, London, W.C.2.
Zeits. f. angew. Math. u. Mechanik.	Zeitschrift für angewandte Mathematik und Mechanik. Ingenieurwissenschaftliche Forschungsarbeiten. V.D.I.-Verlag, G.m.b.H., Dorotheenstrasse 40, Berlin, N.W.7.
Zeits. f. Astrophysik	Zeitschrift für Astrophysik. J. Springer, Linkstrasse 23/24, Berlin W.9.
Zeits. f. Elektrochem.	Zeitschrift für Elektrochemie und angewandte physikalische Chemie. Verlag Chemie, G.m.b.H., Corneliusstrasse 3, Berlin, W.10.
Zeits. f. Hochfrequenztechn.....	Zeitschrift für Hochfrequenztechnik, Akademische Verlagsgesellschaft m.b.H., Schlossgasse 9, Leipzig, Germany.
Zeits. f. Instrumentenk.	Zeitschrift für Instrumentenkunde. J. Springer, Linkstrasse 23/24, Berlin, W.9.
Zeits. f. Krist.	Zeitschrift für Kristallographie. Akademische Verlagsgesellschaft m.b.H., Leipzig, Germany.
Zeits. f. Metallkunde	Zeitschrift für Metallkunde. V.D.I.-Verlag, G.m.b.H., Dorotheenstrasse 40, Berlin, N.W.7.
Zeits. f. Physik	Zeitschrift für Physik. J. Springer, Linkstrasse 23/24, Berlin, W.9.
Zeits. f. phys. Chem.	Zeitschrift für physikalische Chemie. (Abteilungen A and B.) Akademische Verlagsgesellschaft m.b.H., Leipzig, Germany.
Zeits. f. techn. Physik	Zeitschrift für technische Physik. J. A. Barth, Salomonstrasse 18B, Leipzig, Germany.
Zeits. f. wiss. Phot.	Zeitschrift für wissenschaftliche Photographie, Photophysik und Photochemie. J. A. Barth, Salomonstrasse 18B, Leipzig, Germany.